9. Electrical Parts Lists

9-1. MAIN PBA

9-1-1. SF3000 MAIN PBA

Ref. No.	Description	SEC. Code	Remark
	ASSEMBLY, MAIN PBA, SF3000	**JG92-01035A**	
	- Capacitors -		
C1	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C2	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C3	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C4	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C5	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C6	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C7	C-CERMIC, CHIP, 68 pF, 5 %, 50 V	2003-001158	
C8	C-CERMIC, CHIP, 15 pF, 5 %, 50 V	2003-001517	
C9	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C10	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C11	C-CERMIC, CHIP, 1 nF, 10 %, 50 V	2003-000444	
C12	C-CERMIC, CHIP, 120 pF, 5 %, 50 V	2003-000316	
C13	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C14	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C16	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C17	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C18	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C19	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C20	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C21	R-CHIP, 0 ohm, 5 %, 1/10 W	2007-000029	
C22	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C23	C-CERMIC, CHIP, 100 pF, 5 %, 50 V	2003-000239	
C25	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C26	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C27	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C28	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C29	C-CERMIC, CHIP, 1 nF, 10 %, 50 V	2003-000444	
C30	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C31	C-CERMIC, CHIP, 1 nF, 10 %, 50 V	2003-000444	
C32	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C33	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C34	C-CERMIC, CHIP, 1 nF, 10 %, 50 V	2003-000444	

Ref. No.	Description	SEC. Code	Remark
C35	C-CERMIC, CHIP, 68 nF, 10 %, 25 V	2003-001142	
C37	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C38	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C39	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C40	C-CERMIC, CHIP, 1 nF, 10 %, 50 V	2003-000444	
C41	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C42	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C43	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C44	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C45	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C46	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C47	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C49	C-CERMIC, CHIP, 4.7 nF, 10 %, 50 V	2003-000891	
C50	C-CERMIC, CHIP, 47 nF, 10 %, 50 V	2003-000979	
C54	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C55	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C56	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C57	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C58	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C59	C-CERMIC, CHIP, 22 pF, 5 %, 50 V	2003-000634	
C60	C-CERMIC, CHIP, 18 pF, 5 %, 50 V	2003-000429	
C61	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C63	C-CERMIC, CHIP, 820 pF, 10 %, 50 V	2003-000009	
C64	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C65	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C67	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C68	C-CERMIC, CHIP, 10 nF, 10 %, 50 V	2003-000260	
C73	C-CERMIC, CHIP, 22 pF, 5 %, 50 V	2003-000634	
C74	C-CERMIC, CHIP, 22 pF, 5 %, 50 V	2003-000634	
C75	C-CERMIC, CHIP, 560 pF, 5 %, 50 V	2003-001058	
C76	C-CERMIC, CHIP, 560 pF, 5 %, 50 V	2003-001058	
C77	C-CERMIC, CHIP, 560 pF, 5 %, 50 V	2003-001058	
C78	C-CERMIC, CHIP, 560 pF, 5 %, 50 V	2003-001058	
C79	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C80	C-CERMIC, CHIP, 820 pF, 10 %, 50 V	2003-000009	
C81	C-CERMIC, CHIP, 820 pF, 10 %, 50 V	2003-000009	
C82	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C83	C-CERMIC, CHIP, 820 pF, 10 %, 50 V	2003-000009	
C85	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	

Ref. No.	Description	SEC. Code	Remark
C86	C-CERMIC, CHIP, 27 pF, 5 %, 50 V	2003-000683	
C87	C-CERMIC, CHIP, 27 pF, 5 %, 50 V	2003-000683	
C96	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C97	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C99	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C98	C-CERMIC, CHIP, 100 pF, 5 %, 50 V	2003-000239	
C100	C-CERMIC, CHIP, 22 pF, 5 %, 50 V	2003-000634	
C102	C-AL, 47 μF, 20 %, 16 V	2401-000031	
C103	C-TA, CHIP, 1 μF, 20 %, 10 V	2404-000291	
C104	C-AL, 100 μF, 20 %, 16 V	2401-000042	
C105	C-AL, 22 μF, 20 %, 16 V	2401-000913	
C106	C-TA, CHIP, 10 μF, 20 %, 6.3 V	2404-000141	
C107	C-AL, 47 μF, 20 %, 16 V	2401-000031	
C108	C-AL, 47 μF, 20 %, 16 V	2401-000031	
C109	C-AL, 1000 μF, 20 %, 35 V	2401-000172	
C110	C-AL, 10 μF, 20 %, 16 V	2401-000414	
C111	C-AL, 22 μF, 20 %, 16 V	2401-000913	
C113	C-TA, CHIP, 470 nF, 20 %, 16 V	2404-000312	
C116	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C117	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C118	C-AL, 100 μF, 20 %, 16 V	2401-000042	
C119	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C120	C-CERMIC, CHIP, 15 pF, 5 %, 50 V	2003-001517	
C122	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C123	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C124	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C125	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C126	C-CERMIC, CHIP, 100 pF, 5 %, 50 V	2003-000239	
C127	C-CERMIC, CHIP, 100 pF, 5 %, 50 V	2003-000239	
C128	C-CERMIC, CHIP, 100 pF, 5 %, 50 V	2003-000239	
C129	C-CERMIC, CHIP, 100 pF, 5 %, 50 V	2003-000239	
C130	C-CERMIC, CHIP, 220 nF, +80-20 %, 25 V	2003-000563	
C131	C-CERMIC, CHIP, 100 pF, 5 %, 50 V	2003-000239	
C133	C-CERMIC, CHIP, 100 pF, 5 %, 50 V	2003-000239	
C134	C-CERMIC, CHIP, 100 pF, 5 %, 50 V	2003-000239	
	- Diodes -		
D1	DIODE-SWITCHING, MMSD914T1, 100 V, 200 mA	0401-000116	
D3	DIODE-RECTIFIER, 1N4002, 100 V, 1 A	0402-000371	
D4	DIODE-SCHOTTKY, RB420D, 25 V, 100 mA	0404-000112	

Ref. No.	Description	SEC. Code	Remark
D5	DIODE-SCHOTTKY, RB420D, 25 V, 100 mA	0404-000112	
D6	DIODE-SCHOTTKY, RB420D, 25 V, 100 mA	0404-000112	
D8	DIODE-ARRAY, DAP202K, 80 V, 100mA	0407-000116	
D9	DIODE-ARRAY, DAP202K, 80 V, 100mA	0407-000116	
ZD4	DIODE-ZENER, PTZ5.1B, 5.1B, 5.1 V	0403-000464	
ZD5	DIODE-ZENER, MMBZ5249BL, 5 %, 225 mW	0403-000286	
	- ICs -		
U1	IC ASIC-JUPITER 2, MJ-715S, KS32C6500, 160 P	JB13-10503B	
U2	IC-ASIC-IMAGE CHIP, STOA7110, QFP, 238 P	JG13-10062A	
U3	IC-MODEM, KS16117Q, QFP, 100 P	1205-001134	
U4	IC-OP AMP, 82, SOP, 8 P	1201-000178	
U5	IC-DRAM, 416C256, 256K x 16BIT, 40 P	1105-001029	
U6	IC-DRAM, 416C256, 256K x 16BIT, 40 P	1105-001029	
U9	IC-SRAM, 68257, 32K x 8BIT, 28 P	1106-001012	
U11	IC-DECODER, A5817SEP, QFP, 44 P	1204-000359	
U12	IC-DECODER, A5817SEP, QFP, 44 P	1204-000359	
U13	IC-OP AMP, 358, SOP, 8 P	1201-000167	
U14	IC-MOTOR DRIVER, PBL3717A, DIP, 16 P	1003-000243	
U15	IC-MOTOR DRIVER, PBL3717A, DIP, 16 P	1003-000243	
U19	FREQ-ATTENUATOR, 5-8 MHz, 15dB, 0.03 W	4701-001020	
U20	IC-OP AMP, 4558, SOP, 8 P	1201-000189	
U21	IC-OP AMP, 4558, SOP, 8 P	1201-000189	
U22	IC-OP AMP, 4558, SOP, 8 P	1201-000189	
U23	IC-AUDIO AMP, 386, SOP, 8 P	1201-000114	
U24	IC-ANALOG SWITCH, MC14053BD, 16 P	1001-000171	
U26	IC-ANALOG SWITCH, MC14051BD, 16 P	1001-000170	
U27	TR-ARRAY, ULN2003L, NPN, 1 W	0506-000182	
U28	IC-EPROM. 27C240, 256K x 16 BIT, DIP, 40 P	1102-001051	
U28	SOCKET-IC, 40 P, DIP	3704-000275	SOCKET
U30	IC-SRAM, 62256B, 32K x 8BIT, 28 P	1106-000197	
U31	PHOTO-INTERRUPTER, TR, 150 mW	0604-001033	
U32	IC-CMOS LOGIC, 74HC00, NAND GATE, 14 P	0801-000379	
U33	IC-RESET, 7045, T0-92, 3 P	1203-000495	
U128	TR-ARRA, STA471A, NPN, 4 W	0506-001019	
	- Resistors -		
R2	R-CHIP, 1.5 Kohm, 5 %, 1/10 W	2007-000241	
R4	R-CHIP, 150 ohm, 5 %, 1/10 W	2007-000401	
R5	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R6	R-CHIP, 86.6 Kohm, 1 %, 1/10 W	2007-001220	

Ref. No.	Description	SEC. Code	Remark
R7	R-CHIP, 150 Kohm, 5 %, 1/10 W	2007-000395	
R8	R-CHIP, 118 Kohm, 1 %, 1/10 W	2007-000325	
R10	R-CHIP, 620 ohm, 5 %, 1/10 W	2007-001092	
R11	R-CHIP, 82 Kohm, 5 %, 1/10 W	2007-001208	
R12	R-CHIP, 150 Kohm, 5 %, 1/10 W	2007-000395	
R13	R-CHIP, 47 Kohm, 5 %, 1/10 W	2007-000941	
R14	R-CHIP, 3 Kohm, 5 %, 1/10 W	2007-000844	
R15	R-CHIP, 47 Kohm, 5 %, 1/10 W	2007-000941	
R16	R-CHIP, 300 ohm, 5 %, 1/10 W	2007-000728	
R20	R-CHIP, 200 ohm, 5 %, 1/10 W	2007-000026	
R21	R-CHIP, 200 ohm, 5 %, 1/10 W	2007-000026	
R22	R-CHIP, 3 Kohm, 5 %, 1/10 W	2007-000844	
R23	R-CHIP, 0 ohm, 5 %, 1/10 W	2007-000029	
R24	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R25	R-CHIP, 330 ohm, 5 %, 1/10 W	2007-000766	
R26	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R27	R-CHIP, 47.5 Kohm, 1 %, 1/10 W	2007-000920	
R28	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R29	R-CHIP, 3 Kohm, 5 %, 1/10 W	2007-000844	
R30	R-CHIP, 17.4 Kohm, 1 %, 1/10 W	2007-000435	
R31	R-CHIP, 86.6 Kohm, 1 %, 1/10 W	2007-001220	
R32	R-CHIP, 51 Kohm, 5 %, 1/10 W	2007-001009	
R33	R-CHIP, 22 Kohm, 5 %, 1/10 W	2007-000586	
R34	R-CHIP, 24 Kohm, 5 %, 1/10 W	2007-000615	
R35	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R36	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R40	R-CHIP, 47 Kohm, 5 %, 1/10 W	2007-000941	
R41	R-CHIP, 4.7 Kohm, 5 %, 1/10 W	2007-000872	
R42	R-CHIP, 150 ohm, 5 %, 1/10 W	2007-000401	
R43	R-CHIP, 150 ohm, 5 %, 1/10 W	2007-000401	
R45	R-CHIP, 300 ohm, 5 %, 1/10 W	2007-000728	
R46	R-CHIP, 47 Kohm, 5 %, 1/10 W	2007-000941	
R47	R-CHIP, 2 Kohm, 5 %, 1/10 W	2007-000671	
R48	R-CHIP, 3 Kohm, 5 %, 1/10 W	2007-000844	
R50	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R51	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R52	R-CHIP, 22 Kohm, 5 %, 1/10 W	2007-000586	
R53	R-CHIP, 7.5 Kohm, 5 %, 1/10 W	2007-001141	
R54	R-CHIP, 3 Kohm, 5 %, 1/10 W	2007-000844	

Ref. No.	Description	SEC. Code	Remark
R55	R-CHIP, 4.7 Kohm, 5 %, 1/10 W	2007-000872	
R56	R-CHIP, 1 Mohm, 5 %, 1/10 W	2007-000477	
R59	R-CHIP, 10 ohm, 5 %, 1/10 W	2007-000308	
R68	R-CHIP, 820 ohm, 5 %, 1/10 W	2007-001201	
R69	R-CHIP, 47 Kohm, 5 %, 1/10 W	2007-000941	
R70	R-CHIP, 15 Kohm, 5 %, 1/10 W	2007-000409	
R71	R-CHIP, 24 Kohm, 5 %, 1/10 W	2007-000615	
R72	R-CHIP, 1 Mohm, 5 %, 1/10 W	2007-000477	
R73	R-CHIP, 300 ohm, 5 %, 1/10 W	2007-000728	
R74	R-CHIP, 10 Mohm, 5 %, 1/10 W	2007-000304	
R78	R-CHIP, 3.6 Kohm, 5 %, 1/10 W	2007-000703	
R79	R-CHIP, 3.6 Kohm, 5 %, 1/10 W	2007-000703	
R83	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R84	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R85	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R86	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R87	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R88	R-CHIP, 100 ohm, 5 %, 1/10 W	2007-000290	
R89	R-CHIP, 150 ohm, 5 %, 1/10 W	2007-000401	
R90	R-CHIP, 100 ohm, 5 %, 1/10 W	2007-000290	
R91	R-CHIP, 10 Mohm, 5 %, 1/10 W	2007-000304	
R92	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R94	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R95	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R96	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R97	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R98	R-CHIP, 5.1 Kohm, 5 %, 1/10 W	2007-000964	
R99	R-CHIP, 56 Kohm, 5 %, 1/10 W	2007-001039	
R100	R-CHIP, 47 Kohm, 5 %, 1/10 W	2007-000941	
R101	R-CHIP, 300 ohm, 5 %, 1/10 W	2007-000728	
R105	R-CHIP, 150 ohm, 5 %, 1/10 W	2007-000401	
R106	R-CHIP, 150 ohm, 5 %, 1/10 W	2007-000401	
R107	R-CHIP, 100 ohm, 5 %, 1/10 W	2007-000290	
R108	R-CHIP, 100 ohm, 5 %, 1/10 W	2007-000290	
R109	R-CHIP, 150 ohm, 5 %, 1/10 W	2007-000401	
R110	R-CHIP, 150 ohm, 5 %, 1/10 W	2007-000401	
R111	R-CHIP, 150 ohm, 5 %, 1/10 W	2007-000401	
R112	R-CHIP, 150 ohm, 5 %, 1/10 W	2007-000401	
R114	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	

Ref. No.	Description	SEC. Code	Remark
R121	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R122	R-CHIP, 5.1 Kohm, 5 %, 1/10 W	2007-000964	
R123	R-CHIP, 1.2 Kohm, 5 %, 1/10 W	2007-000221	
R124	R-CHIP, 56 Kohm, 5 %, 1/10 W	2007-001039	
R125	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R126	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R127	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R128	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R129	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R131	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R132	R-CHIP, 47 Kohm, 5 %, 1/10 W	2007-000941	
R135	R-CHIP, 0 ohm, 5 %, 1/10 W	2007-000029	
R136	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R138	R-CHIP, 47 Kohm, 5 %, 1/10 W	2007-000941	
R145	R-CHIP, 5.1 Kohm, 5 %, 1/10 W	2007-000964	
R146	R-CHIP, 39 ohm, 5 %, 1/10 W	2007-000028	
R147	R-CHIP, 39 ohm, 5 %, 1/10 W	2007-000028	
R148	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R149	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R152	R-CHIP, 150 ohm, 5 %, 1/10 W	2007-000401	
R153	R-CHIP, 2 Kohm, 5 %, 1/10 W	2007-000671	
R155	R-CHIP, 22.1 ohm, 1 %, 1/2 W	2008-000177	
R156	R-CHIP, 22.1 ohm, 1 %, 1/2 W	2008-000177	
R157	R-CHIP, 22.1 ohm, 1 %, 1/2 W	2008-000177	
R158	R-CHIP, 22.1 ohm, 1 %, 1/2 W	2008-000177	
R159	R-CHIP, 20 ohm, 5 %, 1/4 W	2007-001289	
R160	R-CARBON, 0.5 ohm, 5 %, 1/2 W	2001-000202	
R161	R-CHIP, 100 Kohm, 5 %, 1/10 W	2007-000282	
R162	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R163	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R166	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R167	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R168	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R169	R-CHIP, 4.7 Kohm, 5 %, 1/10 W	2007-000872	
R172	R-CHIP, 0 ohm, 5 %, 1/10 W	2007-000029	
	- Transistors -		
Q2	TR-SMALL SIGNAL, KSC5019-MTA, NPN, 750 mW	0501-000342	
Q3	TR-SMALL SIGNAL, KSC1623-Y, NPN, 200 mW	0501-000342	
Q6	TR-SMALL SIGNAL, MMTB2222A, NPN, 225 mW	0501-000457	

Ref. No.	Description	SEC. Code	Remark
Q7	TR-DARLINGTON, TIP127, PNP, 2 W	0503-000134	
Q8	TR-SMALL SIGNAL, MMTB2222A, NPN, 225 mW	0501-000457	
Q9	TR-SMALL SIGNAL, MMTB2222A, NPN, 225 mW	0501-000457	
	- Micellanceous -		
BT1	BATTERY-LI, 3 V, 220 mAH	4301-000108	
L1	CORE-FERRITE BEAD, AB, 3.2 x 2.5 x 1.3 mm	3301-000325	
L3	CORE-FERRITE BEAD, AB, 3.2 x 2.5 x 1.3 mm	3301-000325	
L5	CORE-FERRITE BEAD, AB, 3.2 x 2.5 x 1.3 mm	3301-000325	
L6	CORE-FERRITE BEAD, AB, 3.2 x 2.5 x 1.3 mm	3301-000325	
L7	CORE-FERRITE BEAD, AB, 3.2 x 2.5 x 1.3 mm	3301-000325	
L8	INDUCTOR-SMD, 10 μH, 10 %, 1.25 x 2 x 1.25 mm	2703-000125	
L9	CORE-FERRITE BEAD, AB, 3.2 x 2.5 x 1.3 mm	3301-000325	
P1	CONNECTOR-HEADER, 3 WALL, 13 P	3711-000417	
P2	CONNECTOR-HEADER, 3 WALL, 3 P	3711-000452	
P3	CONNECTOR-HEADER, 1 WALL, 6 P	3711-000280	
P4	CONNECTOR-HEADER, 3 WALL, 5 P	3711-000484	
P5	CONNECTOR-HEADER, 3 WALL, 10 P	3711-000398	
P6	CONNECTOR-FPC/FC/PIC, 30 P, 1.0 mm	3708-001058	
P7	CONNECTOR-HEADER, 3 WALL, 6 P	3711-000496	
P8	CONNECTOR-HEADER, BOX, 3 P	3711-000907	WHITE
P9	CONNECTOR-HEADER, BOX, 6 P	3711-001062	WHITE
P10	CONNECTOR-HEADER, 3 WALL, 2 P	3711-000443	
P11	CONNECTOR-FPC/FC/PIC, 30 P, 1.0 mm	3708-001058	
P12	CONNECTOR-HEADER, 1 WALL, 4 P	3711-000225	
PCB	PCB-MAIN	JG41-10124A	
RA1	R-NETWORK, 39 ohm, +-5 %, 1/16 W	2011-001094	
RA2	R-NETWORK, 39 ohm, +-5 %, 1/16 W	2011-001094	
RA3	R-NETWORK, 39 ohm, +-5 %, 1/16 W	2011-001094	
RA4	R-NETWORK, 39 ohm, +-5 %, 1/16 W	2011-001094	
RA5	R-NETWORK, 39 ohm, +-5 %, 1/16 W	2011-001094	
RA6	R-NETWORK, 39 ohm, +-5 %, 1/16 W	2011-001094	
RA7	R-NETWORK, 39 ohm, +-5 %, 1/16 W	2011-001094	
RA8	R-NETWORK, 39 ohm, +-5 %, 1/16 W	2011-001094	
RA9	R-NETWORK, 39 ohm, +-5 %, 1/16 W	2011-001094	
RA10	R-NETWORK, 39 ohm, +-5 %, 1/16 W	2011-001094	
RA11	R-NETWORK, 39 ohm, +-5 %, 1/16 W	2011-001094	
RA12	R-NETWORK, 39 ohm, +-5 %, 1/16 W	2011-001094	
X1	CRYSTAL-UNIT, 30 MHz, 50 ppm	2801-003582	
X2	CRYSTAL-UNIT, 38.00053 MHz, 15 ppm	2801-003330	

Ref. No.	Description	SEC. Code	Remark
X4	CRYSTAL-UNIT, 32.768 KHz, 5 ppm	2801-001498	

9-1-2. SF3000T MAIN PBA

Ref. No.	Description	SEC. Code	Remark
	ASSEMBLY, MAIN PBA, SF3000T	**JG92-01035B**	
	- Capacitors -		
C1	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C2	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C3	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C4	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C5	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C6	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C7	C-CERMIC, CHIP, 68 pF, 5 %, 50 V	2003-001158	
C8	C-CERMIC, CHIP, 15 pF, 5 %, 50 V	2003-001517	
C9	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C10	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C11	C-CERMIC, CHIP, 1 nF, 10 %, 50 V	2003-000444	
C12	C-CERMIC, CHIP, 120 pF, 5 %, 50 V	2003-000316	
C13	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C14	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C15	C-CERMIC, CHIP, 47 nF, 10 %, 50 V	2003-000979	
C16	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C17	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C18	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C19	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C20	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C21	R-CHIP, 0 ohm, 5 %, 1/10 W	2007-000029	
C22	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C23	C-CERMIC, CHIP, 100 pF, 5 %, 50 V	2003-000239	
C24	C-CERMIC, CHIP, 1 nF, 10 %, 50 V	2003-000444	
C25	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C26	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C27	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C28	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C29	C-CERMIC, CHIP, 1 nF, 10 %, 50 V	2003-000444	
C30	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C31	C-CERMIC, CHIP, 1 nF, 10 %, 50 V	2003-000444	
C32	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	

Ref. No.	Description	SEC. Code	Remark
C33	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C34	C-CERMIC, CHIP, 1 nF, 10 %, 50 V	2003-000444	
C35	C-CERMIC, CHIP, 68 nF, 10 %, 25 V	2003-001142	
C36	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C37	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C38	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C39	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C40	C-CERMIC, CHIP, 1 nF, 10 %, 50 V	2003-000444	
C41	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C42	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C43	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C44	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C45	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C46	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C47	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C48	C-CERMIC, CHIP, 470 pF, 5 %, 50 V	2003-000953	
C49	C-CERMIC, CHIP, 1 nF, 10 %, 50 V	2003-000444	
C50	C-CERMIC, CHIP, 47 nF, 10 %, 50 V	2003-000979	
C51	C-CERMIC, CHIP, 47 nF, 10 %, 50 V	2003-000979	
C52	C-CERMIC, CHIP, 10 nF, 10 %, 50 V	2003-000260	
C53	C-CERMIC, CHIP, 47 nF, 10 %, 50 V	2003-000979	
C54	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C55	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C56	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C57	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C58	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C59	C-CERMIC, CHIP, 22 pF, 5 %, 50 V	2003-000634	
C60	C-CERMIC, CHIP, 18 pF, 5 %, 50 V	2003-000429	
C61	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C62	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C63	C-CERMIC, CHIP, 820 pF, 10 %, 50 V	2003-000009	
C64	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C65	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C66	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C67	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C68	C-CERMIC, CHIP, 10 nF, 10 %, 50 V	2003-000260	
C69	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C70	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C71	C-CERMIC, CHIP, 100 pF, 5 %, 50 V	2003-000239	

Ref. No.	Description	SEC. Code	Remark
C72	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C73	C-CERMIC, CHIP, 22 pF, 5 %, 50 V	2003-000634	
C74	C-CERMIC, CHIP, 22 pF, 5 %, 50 V	2003-000634	
C75	C-CERMIC, CHIP, 560 pF, 5 %, 50 V	2003-001058	
C76	C-CERMIC, CHIP, 560 pF, 5 %, 50 V	2003-001058	
C77	C-CERMIC, CHIP, 560 pF, 5 %, 50 V	2003-001058	
C78	C-CERMIC, CHIP, 560 pF, 5 %, 50 V	2003-001058	
C79	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C80	C-CERMIC, CHIP, 820 pF, 10 %, 50 V	2003-000009	
C81	C-CERMIC, CHIP, 820 pF, 10 %, 50 V	2003-000009	
C82	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C83	C-CERMIC, CHIP, 820 pF, 10 %, 50 V	2003-000009	
C84	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C85	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C86	C-CERMIC, CHIP, 27 pF, 5 %, 50 V	2003-000683	
C87	C-CERMIC, CHIP, 27 pF, 5 %, 50 V	2003-000683	
C88	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C89	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C90	C-CERMIC, CHIP, 47 nF, 10 %, 50 V	2003-000979	
C91	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C92	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C93	C-CERMIC, CHIP, 10 pF, 5 %, 50 V	2003-000295	
C94	C-CERMIC, CHIP, 1 nF, 10 %, 50 V	2003-000444	
C95	C-CERMIC, CHIP, 10 pF, 5 %, 50 V	2003-000295	
C96	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C97	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C98	C-CERMIC, CHIP, 100 pF, 5 %, 50 V	2003-000239	
C99	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C100	C-CERMIC, CHIP, 22 pF, 5 %, 50 V	2003-000634	
C102	C-AL, 47 μF, 20 %, 16 V	2401-000031	
C103	C-TA, CHIP, 1 μF, 20 %, 10 V	2404-000291	
C104	C-AL, 100 μF, 20 %, 16 V	2401-000042	
C105	C-AL, 22 μF, 20 %, 16 V	2401-000913	
C106	C-TA, CHIP, 10 μF, 20 %, 6.3 V	2404-000141	
C107	C-AL, 47 μF, 20 %, 16 V	2401-000031	
C108	C-AL, 47 μF, 20 %, 16 V	2401-000031	
C109	C-AL, 1000 μF, 20 %, 35 V	2401-000172	
C110	C-AL, 10 μF, 20 %, 16 V	2401-000414	
C111	C-AL, 22 μF, 20 %, 16 V	2401-000913	

Ref. No.	Description	SEC. Code	Remark
C112	C-TA, CHIP, 1 μF, 20 %, 10 V	2404-000291	
C113	C-TA, CHIP, 470 nF, 20 %, 16 V	2404-000312	
C114	C-TA, CHIP, 10 μF, 20 %, 6.3 V	2404-000141	
C115	C-TA, CHIP, 10 μF, 20 %, 6.3 V	2404-000141	
C116	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C117	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C118	C-AL, 100 μF, 20 %, 16 V	2401-000042	
C119	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C120	C-CERMIC, CHIP, 15 pF, 5 %, 50 V	2003-001517	
C122	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C123	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C124	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C125	C-CERMIC, CHIP, 100 nF, 79.8, 50 V	2003-000192	
C126	C-CERMIC, CHIP, 100 pF, 5 %, 50 V	2003-000239	
C127	C-CERMIC, CHIP, 100 pF, 5 %, 50 V	2003-000239	
C128	C-CERMIC, CHIP, 100 pF, 5 %, 50 V	2003-000239	
C129	C-CERMIC, CHIP, 100 pF, 5 %, 50 V	2003-000239	
C130	C-CERMIC, CHIP, 220 nF, +80-20 %, 25 V	2003-000563	
C131	C-CERMIC, CHIP, 100 pF, 5 %, 50 V	2003-000239	
C133	C-CERMIC, CHIP, 100 pF, 5 %, 50 V	2003-000239	
C134	C-CERMIC, CHIP, 100 pF, 5 %, 50 V	2003-000239	
	- Diodes -		
D1	DIODE-SWITCHING, MMSD914T1, 100 V, 200 mA	0401-000116	
D2	DIODE-SWITCHING, MMSD914T1, 100 V, 200 mA	0401-000116	
D3	DIODE-RECTIFIER, 1N4002, 100 V, 1 A	0402-000371	
D4	DIODE-SCHOTTKY, RB420D, 25 V, 100 mA	0404-000112	
D5	DIODE-SCHOTTKY, RB420D, 25 V, 100 mA	0404-000112	
D6	DIODE-SCHOTTKY, RB420D, 25 V, 100 mA	0404-000112	
D7	DIODE-SWITCHING, MMSD914T1, 100 V, 200 mA	0401-000116	
D8	DIODE-ARRAY, DAP202K, 80 V, 100mA	0407-000116	
D9	DIODE-ARRAY, DAP202K, 80 V, 100mA	0407-000116	
D10	DIODE-SWITCHING, MMSD914T1, 100 V, 200 mA	0401-000116	
ZD1	DIODE-ZENER, PTZ5.1B, 5.1B, 5.1 V	0403-000464	
ZD2	DIODE-ZENER, PTZ12B, 120-135 V	0403-001142	
ZD3	DIODE-ZENER, PTZ12B, 120-135 V	0403-001142	
ZD4	DIODE-ZENER, PTZ5.1B, 5.1B, 5.1 V	0403-000464	
ZD5	DIODE-ZENER, MMBZ5249BL, 5 %, 225 mW	0403-000286	
	- ICs -		
U2	IC-ASIC-IMAGE CHIP, STOA7110, QFP, 238 P	JG13-10062A	

Ref. No.	Description	SEC. Code	Remark
U3	IC-MODEM, KS16117Q, QFP, 100 P	1205-001134	
U4	IC-OP AMP, 82, SOP, 8 P	1201-000178	
U5	IC-DRAM, 416C256, 256K x 16BIT, 40 P	1105-001029	
U6	IC-DRAM, 416C256, 256K x 16BIT, 40 P	1105-001029	
U7	IC-DSP, 6305, 16BIT, 80 P	0904-001068	
U8	IC-CMOS LOGIC, 74HC245, 20 P	0801-000696	
U9	IC-SRAM, 68257, 32K x 8BIT, 28 P	1106-001012	
U10	IC-DRAM, 44C1000, 1M x 4BIT, 20 P	1105-000133	
U11	IC-DECODER, A5817SEP, QFP, 44 P	1204-000359	
U12	IC-DECODER, A5817SEP, QFP, 44 P	1204-000359	
U13	IC-OP AMP, 358, SOP, 8 P	1201-000167	
U14	IC-MOTOR DRIVER, PBL3717A, DIP, 16 P	1003-000243	
U15	IC-MOTOR DRIVER, PBL3717A, DIP, 16 P	1003-000243	
U16	IC-VOLTAGE COMP, 393, 8 P	1202-000164	
U17	IC-CMOS LOGIC, 7S32, 5 P	0801-000795	
U18	IC-VOLTAGE REGULATOR, 78L05, 3 P	1203-001037	
U19	FREQ-ATTENUATOR, 5-8 MHz, 15dB, 0.03 W	4701-001020	
U20	IC-OP AMP, 4558, SOP, 8 P	1201-000189	
U21	IC-OP AMP, 4558, SOP, 8 P	1201-000189	
U22	IC-OP AMP, 4558, SOP, 8 P	1201-000189	
U23	IC-AUDIO AMP, 386, SOP, 8 P	1201-000114	
U24	IC-ANALOG SWITCH, MC14053BD, 16 P	1001-000171	
U25	IC-ANALOG SWITCH, MC14053BD, 16 P	1001-000171	
U26	IC-ANALOG SWITCH, MC14051BD, 16 P	1001-000170	
U27	TR-ARRAY, ULN2003L, NPN, 1 W	0506-000182	
U28	IC-EPROM. 27C240, 256K x 16 BIT, DIP, 40 P	1102-001051	
U28	SOCKET-IC, 40 P, DIP	3704-000275	SOCKET
U29	IC-CODEC, TP3054J, 16 P	1205-000120	
U30	IC-SRAM, 62256B, 32K x 8BIT, 28 P	1106-000197	
U31	PHOTO-INTERRUPTER, TR, 150 mW	0604-001033	
U32	IC-CMOS LOGIC, 74HC00, NAND GATE, 14 P	0801-000379	
U33	IC-RESET, 7045, T0-92, 3 P	1203-000495	
U34	IC-CMOS LOGIC, 7S32, 5 P	0801-000795	
U128	TR-ARRA, STA471A, NPN, 4 W	0506-001019	
	- Resistors -		
R2	R-CHIP, 1.5 Kohm, 5 %, 1/10 W	2007-000241	
R3	R-CHIP, 22 Kohm, 5 %, 1/10 W	2007-000586	
R4	R-CHIP, 150 ohm, 5 %, 1/10 W	2007-000401	
R5	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	

Ref. No.	Description	SEC. Code	Remark
R6	R-CHIP, 86.6 Kohm, 1 %, 1/10 W	2007-001220	
R7	R-CHIP, 150 Kohm, 5 %, 1/10 W	2007-000395	
R8	R-CHIP, 118 Kohm, 1 %, 1/10 W	2007-000325	
R9	R-CHIP, 22 Kohm, 5 %, 1/10 W	2007-000586	
R10	R-CHIP, 620 ohm, 5 %, 1/10 W	2007-001092	
R11	R-CHIP, 82 Kohm, 5 %, 1/10 W	2007-001208	
R12	R-CHIP, 150 Kohm, 5 %, 1/10 W	2007-000395	
R13	R-CHIP, 47 Kohm, 5 %, 1/10 W	2007-000941	
R14	R-CHIP, 3 Kohm, 5 %, 1/10 W	2007-000844	
R15	R-CHIP, 47 Kohm, 5 %, 1/10 W	2007-000941	
R16	R-CHIP, 300 ohm, 5 %, 1/10 W	2007-000728	
R20	R-CHIP, 200 ohm, 5 %, 1/10 W	2007-000026	
R21	R-CHIP, 200 ohm, 5 %, 1/10 W	2007-000026	
R22	R-CHIP, 3 Kohm, 5 %, 1/10 W	2007-000844	
R23	R-CHIP, 0 ohm, 5 %, 1/10 W	2007-000029	
R24	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R25	R-CHIP, 330 ohm, 5 %, 1/10 W	2007-000766	
R26	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R27	R-CHIP, 47.5 Kohm, 1 %, 1/10 W	2007-000920	
R28	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R29	R-CHIP, 3 Kohm, 5 %, 1/10 W	2007-000844	
R30	R-CHIP, 17.4 Kohm, 1 %, 1/10 W	2007-000435	
R31	R-CHIP, 86.6 Kohm, 1 %, 1/10 W	2007-001220	
R32	R-CHIP, 51 Kohm, 5 %, 1/10 W	2007-001009	
R33	R-CHIP, 22 Kohm, 5 %, 1/10 W	2007-000586	
R34	R-CHIP, 24 Kohm, 5 %, 1/10 W	2007-000615	
R35	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R36	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R40	R-CHIP, 47 Kohm, 5 %, 1/10 W	2007-000941	
R41	R-CHIP, 4.7 Kohm, 5 %, 1/10 W	2007-000872	
R42	R-CHIP, 150 ohm, 5 %, 1/10 W	2007-000401	
R43	R-CHIP, 150 ohm, 5 %, 1/10 W	2007-000401	
R45	R-CHIP, 300 ohm, 5 %, 1/10 W	2007-000728	
R46	R-CHIP, 47 Kohm, 5 %, 1/10 W	2007-000941	
R47	R-CHIP, 2 Kohm, 5 %, 1/10 W	2007-000671	
R48	R-CHIP, 3 Kohm, 5 %, 1/10 W	2007-000844	
R50	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R51	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R52	R-CHIP, 22 Kohm, 5 %, 1/10 W	2007-000586	

Ref. No.	Description	SEC. Code	Remark
R53	R-CHIP, 7.5 Kohm, 5 %, 1/10 W	2007-001141	
R54	R-CHIP, 3 Kohm, 5 %, 1/10 W	2007-000844	
R55	R-CHIP, 4.7 Kohm, 5 %, 1/10 W	2007-000872	
R56	R-CHIP, 1 Mohm, 5 %, 1/10 W	2007-000477	
R57	R-CHIP, 68 Kohm, 5 %, 1/10 W	2007-000001	
R58	R-CHIP, 100 Kohm, 5 %, 1/10 W	2007-000282	
R59	R-CHIP, 10 ohm, 5 %, 1/10 W	2007-000308	
R60	R-CHIP, 3.9 Kohm, 5 %, 1/10 W	2007-000710	
R61	R-CHIP, 33 Kohm, 5 %, 1/10 W	2007-000774	
R62	R-CHIP, 2.2 Kohm, 5 %, 1/10 W	2007-000493	
R63	R-CHIP, 470 ohm, 5 %, 1/10 W	2007-000931	
R64	R-CHIP, 100 ohm, 5 %, 1/10 W	2007-000290	
R65	R-CHIP, 15 Kohm, 5 %, 1/10 W	2007-000409	
R66	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R67	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R68	R-CHIP, 820 ohm, 5 %, 1/10 W	2007-001201	
R69	R-CHIP, 47 Kohm, 5 %, 1/10 W	2007-000941	
R70	R-CHIP, 15 Kohm, 5 %, 1/10 W	2007-000409	
R71	R-CHIP, 30 Kohm, 5 %, 1/10 W	2007-000738	
R72	R-CHIP, 1 Mohm, 5 %, 1/10 W	2007-000477	
R73	R-CHIP, 300 ohm, 5 %, 1/10 W	2007-000728	
R74	R-CHIP, 10 Mohm, 5 %, 1/10 W	2007-000304	
R75	R-CHIP, 12 Kohm, 5 %, 1/10 W	2007-000355	
R76	R-CHIP, 12 Kohm, 5 %, 1/10 W	2007-000355	
R77	R-CHIP, 2.2 Kohm, 5 %, 1/10 W	2007-000493	
R78	R-CHIP, 3.6 Kohm, 5 %, 1/10 W	2007-000703	
R79	R-CHIP, 3.6 Kohm, 5 %, 1/10 W	2007-000703	
R80	R-CHIP, 1 Mohm, 5 %, 1/10 W	2007-000477	
R81	R-CHIP, 100 Kohm, 5 %, 1/10 W	2007-000282	
R82	R-CHIP, 100 Kohm, 5 %, 1/10 W	2007-000282	
R83	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R84	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R85	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R86	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R87	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R88	R-CHIP, 100 ohm, 5 %, 1/10 W	2007-000290	
R89	R-CHIP, 150 ohm, 5 %, 1/10 W	2007-000401	
R90	R-CHIP, 100 ohm, 5 %, 1/10 W	2007-000290	
R91	R-CHIP, 10 Mohm, 5 %, 1/10 W	2007-000304	

Ref. No.	Description	SEC. Code	Remark
R92	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R93	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R94	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R95	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R96	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R97	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R98	R-CHIP, 5.1 Kohm, 5 %, 1/10 W	2007-000964	
R99	R-CHIP, 56 Kohm, 5 %, 1/10 W	2007-001039	
R100	R-CHIP, 47 Kohm, 5 %, 1/10 W	2007-000941	
R101	R-CHIP, 300 ohm, 5 %, 1/10 W	2007-000728	
R102	R-CHIP, 470 ohm, 5 %, 1/10 W	2007-000931	
R103	R-CHIP, 3.3 Kohm, 5 %, 1/10 W	2007-000686	
R104	R-CHIP, 1.5 Kohm, 5 %, 1/10 W	2007-000241	
R105	R-CHIP, 150 ohm, 5 %, 1/10 W	2007-000401	
R106	R-CHIP, 150 ohm, 5 %, 1/10 W	2007-000401	
R107	R-CHIP, 100 ohm, 5 %, 1/10 W	2007-000290	
R108	R-CHIP, 100 ohm, 5 %, 1/10 W	2007-000290	
R109	R-CHIP, 150 ohm, 5 %, 1/10 W	2007-000401	
R110	R-CHIP, 150 ohm, 5 %, 1/10 W	2007-000401	
R111	R-CHIP, 150 ohm, 5 %, 1/10 W	2007-000401	
R112	R-CHIP, 150 ohm, 5 %, 1/10 W	2007-000401	
R114	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R115	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R116	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R117	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R118	R-CHIP, 100 ohm, 5 %, 1/10 W	2007-000290	
R119	R-CHIP, 100 ohm, 5 %, 1/10 W	2007-000290	
R120	R-CHIP, 100 ohm, 5 %, 1/10 W	2007-000290	
R121	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R122	R-CHIP, 5.1 Kohm, 5 %, 1/10 W	2007-000964	
R123	R-CHIP, 1.2 Kohm, 5 %, 1/10 W	2007-000221	
R124	R-CHIP, 56 Kohm, 5 %, 1/10 W	2007-001039	
R125	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R126	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R127	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R128	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R129	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R131	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R132	R-CHIP, 47 Kohm, 5 %, 1/10 W	2007-000941	

Ref. No.	Description	SEC. Code	Remark
R135	R-CHIP, 0 ohm, 5 %, 1/10 W	2007-000029	
R136	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R138	R-CHIP, 47 Kohm, 5 %, 1/10 W	2007-000941	
R139	R-CHIP, 680 Kohm, 5 %, 1/10 W	2007-001113	
R140	R-CHIP, 680 Kohm, 5 %, 1/10 W	2007-001113	
R141	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R142	R-CHIP, 82 Kohm, 5 %, 1/10 W	2007-001208	
R143	R-CHIP, 1 Mohm, 5 %, 1/10 W	2007-000477	
R144	R-CHIP, 150 ohm, 5 %, 1/10 W	2007-000401	
R145	R-CHIP, 5.1 Kohm, 5 %, 1/10 W	2007-000964	
R146	R-CHIP, 39 ohm, 5 %, 1/10 W	2007-000028	
R147	R-CHIP, 39 ohm, 5 %, 1/10 W	2007-000028	
R148	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R149	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R150	R-CHIP, 100 ohm, 5 %, 1/10 W	2007-000290	
R152	R-CHIP, 150 ohm, 5 %, 1/10 W	2007-000401	
R153	R-CHIP, 2 Kohm, 5 %, 1/10 W	2007-000671	
R154	R-CARBON, 0.5 ohm, 5 %, 1/2 W	2001-000202	
R155	R-CHIP, 22.1 ohm, 1 %, 1/2 W	2008-000177	
R156	R-CHIP, 22.1 ohm, 1 %, 1/2 W	2008-000177	
R157	R-CHIP, 22.1 ohm, 1 %, 1/2 W	2008-000177	
R158	R-CHIP, 22.1 ohm, 1 %, 1/2 W	2008-000177	
R159	R-CHIP, 20 ohm, 5 %, 1/4 W	2007-001289	
R160	R-CARBON, 0.5 ohm, 5 %, 1/2 W	2001-000202	
R161	R-CHIP, 100 Kohm, 5 %, 1/10 W	2007-000282	
R162	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R163	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R164	R-CHIP, 300 Kohm, 5 %, 1/10 W	2007-000027	
R165	R-CHIP, 300 Kohm, 5 %, 1/10 W	2007-000027	
R166	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R167	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R168	R-CHIP, 1 Kohm, 5 %, 1/10 W	2007-000468	
R169	R-CHIP, 4.7 Kohm, 5 %, 1/10 W	2007-000872	
R170	R-CHIP, 12 Kohm, 5 %, 1/10 W	2007-000355	
R171	R-CHIP, 12 Kohm, 5 %, 1/10 W	2007-000355	
	- Transistors -		
Q1	TR-SMALL SIGNAL, KSA1182-Y, PNP, 150 mW	0501-000279	
Q2	TR-SMALL SIGNAL, KSC5019-MTA, NPN, 750 mW	0501-000385	
Q3	TR-SMALL SIGNAL, KSC1623-Y, NPN, 200 mW	0501-000342	

Ref. No.	Description	SEC. Code	Remark
Q4	TR-SMALL SIGNAL, KSC1623-Y, NPN, 200 mW	0501-000342	
Q5	TR-SMALL SIGNAL, KSA1182-Y, PNP, 150 mW	0501-000279	
Q6	TR-SMALL SIGNAL, MMTB2222A, NPN, 225 mW	0501-000457	
Q7	TR-DARLINGTON, TIP127, PNP, 2 W	0503-000134	
Q8	TR-SMALL SIGNAL, MMTB2222A, NPN, 225 mW	0501-000457	
Q9	TR-SMALL SIGNAL, MMTB2222A, NPN, 225 mW	0501-000457	
	- Micellanceous -		
BT1	BATTERY-LI, 3 V, 220 mAH	4301-000108	
L1	CORE-FERRITE BEAD, AB, 3.2 x 2.5 x 1.3 mm	3301-000325	
L2	INDUCTOR-SMD, 3.3 μH, 10 %, 1.25 x 2 x 1.25 mm	2703-000185	
L3	CORE-FERRITE BEAD, AB, 3.2 x 2.5 x 1.3 mm	3301-000325	
L5	CORE-FERRITE BEAD, AB, 3.2 x 2.5 x 1.3 mm	3301-000325	
L6	CORE-FERRITE BEAD, AB, 3.2 x 2.5 x 1.3 mm	3301-000325	
L7	CORE-FERRITE BEAD, AB, 3.2 x 2.5 x 1.3 mm	3301-000325	
L8	INDUCTOR-SMD, 10 μH, 10 %, 1.25 x 2 x 1.25 mm	2703-000125	
L9	CORE-FERRITE BEAD, AB, 3.2 x 2.5 x 1.3 mm	3301-000325	
P1	CONNECTOR-HEADER, 3 WALL, 13 P	3711-000417	
P2	CONNECTOR-HEADER, 3 WALL, 3 P	3711-000452	
P3	CONNECTOR-HEADER, 1 WALL, 6 P	3711-000280	
P4	CONNECTOR-HEADER, 3 WALL, 7 P	3711-000502	
P5	CONNECTOR-HEADER, 3 WALL, 10 P	3711-000398	
P6	CONNECTOR-FPC/FC/PIC, 30 P, 1.0 mm	3708-001058	
P7	CONNECTOR-HEADER, 3 WALL, 6 P	3711-000496	
P8	CONNECTOR-HEADER, BOX, 3 P	3711-000907	WHITE
P9	CONNECTOR-HEADER, BOX, 6 P	3711-001062	WHITE
P10	CONNECTOR-HEADER, 3 WALL, 2 P	3711-000443	
P11	CONNECTOR-FPC/FC/PIC, 30 P, 1.0 mm	3708-001058	
P12	CONNECTOR-HEADER, 1 WALL, 4 P	3711-000225	
P13	CONNECTOR-HEADER, 3 WALL, 2 P	3711-000443	
PCB	PCB-MAIN	JG41-10124A	
RA1	R-NETWORK, 39 ohm, +-5 %, 1/16 W	2011-001094	
RA2	R-NETWORK, 39 ohm, +-5 %, 1/16 W	2011-001094	
RA3	R-NETWORK, 39 ohm, +-5 %, 1/16 W	2011-001094	
RA4	R-NETWORK, 39 ohm, +-5 %, 1/16 W	2011-001094	
RA5	R-NETWORK, 39 ohm, +-5 %, 1/16 W	2011-001094	
RA6	R-NETWORK, 39 ohm, +-5 %, 1/16 W	2011-001094	
RA7	R-NETWORK, 39 ohm, +-5 %, 1/16 W	2011-001094	
RA8	R-NETWORK, 39 ohm, +-5 %, 1/16 W	2011-001094	
RA9	R-NETWORK, 39 ohm, +-5 %, 1/16 W	2011-001094	

Ref. No.	Description	SEC. Code	Remark
RA10	R-NETWORK, 39 ohm, +-5 %, 1/16 W	2011-001094	
RA11	R-NETWORK, 39 ohm, +-5 %, 1/16 W	2011-001094	
RA12	R-NETWORK, 39 ohm, +-5 %, 1/16 W	2011-001094	
X1	CRYSTAL-UNIT, 30 MHz, 50 ppm	2801-003582	
X2	CRYSTAL-UNIT, 38.00053 MHz, 15 ppm	2801-003330	
X3	CRYSTAL-UNIT, 29.4912 KHz, 50 ppm	2801-001530	
X4	CRYSTAL-UNIT, 32.768 KHz, 5 ppm	2801-001498	

9-2. OPE PBA

Ref. No.	Description	SEC. Code	Remark
	ASSEMBLY, OPE PBA	**JG92-01036A**	
	- Capacitors -		
C301	C-AL, 10 μF, 20 %, 16 V	2401-000414	
C302	C-CERAMIC, CHIP, 100 nF, 79.8, 50 V	2203-000192	
C303	C-CERAMIC, CHIP, 47 pF, 5 %, 50 V	2203-001002	
C304	C-CERAMIC, CHIP, 47 pF, 5 %, 50 V	2203-001002	
C305	C-CERAMIC, CHIP, 100 nF, 79.8, 50 V	2203-000192	
C306	C-CERAMIC, CHIP, 100 pF, 5 %, 50 V	2203-000239	
C307	C-CERAMIC, CHIP, 22 pF, 5 %, 50 V	2203-000634	
C308	C-CERAMIC, CHIP, 22 pF, 5 %, 50 V	2203-000634	
C309	C-CERAMIC, CHIP, 22 pF, 5 %, 50 V	2203-000634	
C311	C-CERAMIC, CHIP, 100 nF, 79.8, 50 V	2203-000192	
C312	C-CERAMIC, CHIP, 100 nF, 79.8, 50 V	2203-000192	
C313	C-CERAMIC, CHIP, 100 nF, 79.8, 50 V	2203-000192	
C314	C-CERAMIC, CHIP, 100 nF, 79.8, 50 V	2203-000192	
C315	C-CERAMIC, CHIP, 100 nF, 79.8, 50 V	2203-000192	
C310	C-CERAMIC, CHIP, 100 pF, 5 %, 50 V	2203-000239	
	- Diodes -		
D301	DIODE-ARRAY, KDS226, 80 V, 300 mA	0407-000122	
D302	DIODE-ARRAY, KDS226, 80 V, 300 mA	0407-000122	
D303	DIODE-ARRAY, KDS226, 80 V, 300 mA	0407-000122	
D304	DIODE-SWITCHING, MMSD914T1, 100 V, 200 mA	0401-000116	
D305	DIODE-SWITCHING, MMSD914T1, 100 V, 200 mA	0401-000116	
D306	DIODE-SWITCHING, MMSD914T1, 100 V, 200 mA	0401-000116	
D307	DIODE-SWITCHING, MMSD914T1, 100 V, 200 mA	0401-000116	
D308	DIODE-SWITCHING, MMSD914T1, 100 V, 200 mA	0401-000116	
	- ICs -		
U300	IC MICRO COMPUTER	JF09-10052A	
U301	PHOTO-INTERRUPTER, TR	0604-000231	
U302	PHOTO-INTERRUPTER, TR, 150 mW	0604-001033	
	- Resistors -		
R301	R-CHIP, 200 ohm, 5 %, 1/10 W	2007-000026	
R302	R-CHIP, 22 Kohm, 5 %, 1/10 W	2007-000586	
R303	R-CHIP, 200 ohm, 5 %, 1/10 W	2007-000026	
R304	R-CHIP, 22 Kohm, 5 %, 1/10 W	2007-000586	
R305	R-CHIP, 0 ohm, 5 %, 1/10 W	2007-000029	
R306	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	

Ref. No.	Description	SEC. Code	Remark
R307	R-CHIP, 680 ohm, 5 %, 1/10 W	2007-001118	
R308	R-CHIP, 22 Kohm, 5 %, 1/10 W	2007-000586	
R311	R-CHIP, 470 ohm, 5 %, 1/10 W	2007-000931	
R312	R-CHIP, 470 ohm, 5 %, 1/10 W	2007-000931	
R313	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R314	R-CHIP, 470 ohm, 5 %, 1/10 W	2007-000931	
R315	R-CHIP, 470 ohm, 5 %, 1/10 W	2007-000931	
R316	R-CHIP, 10 Kohm, 5 %, 1/10 W	2007-000300	
R317	R-CHIP, 22 Kohm, 5 %, 1/10 W	2007-000586	
R318	R-CHIP, 22 Kohm, 5 %, 1/10 W	2007-000586	
R319	R-CHIP, 22 Kohm, 5 %, 1/10 W	2007-000586	
R320	R-CHIP, 22 Kohm, 5 %, 1/10 W	2007-000586	
R321	R-CHIP, 22 Kohm, 5 %, 1/10 W	2007-000586	
R322	R-CHIP, 22 Kohm, 5 %, 1/10 W	2007-000586	
R323	R-CHIP, 22 Kohm, 5 %, 1/10 W	2007-000586	
R324	R-CHIP, 22 Kohm, 5 %, 1/10 W	2007-000586	
R326	R-CHIP, 4.7 Kohm, 5 %, 1/10 W	2007-000872	
R327	R-CHIP, 4.7 Kohm, 5 %, 1/10 W	2007-000872	
	- Micellanceous -		
J300	R-CHIP, 0 ohm, 5 %, 1/10 W	2007-000029	
J301	R-CHIP, 0 ohm, 5 %, 1/10 W	2007-000029	
J302	R-CHIP, 0 ohm, 5 %, 1/10 W	2007-000029	
J303	R-CHIP, 0 ohm, 5 %, 1/10 W	2007-000029	
J304	R-CHIP, 0 ohm, 5 %, 1/10 W	2007-000029	
J305	R-CHIP, 0 ohm, 5 %, 1/10 W	2007-000029	
J306	R-CHIP, 0 ohm, 5 %, 1/10 W	2007-000029	
J307	R-CHIP, 0 ohm, 5 %, 1/10 W	2007-000029	
J308	R-CHIP, 0 ohm, 5 %, 1/10 W	2007-000029	
J309	R-CHIP, 0 ohm, 5 %, 1/10 W	2007-000029	
J310	R-CHIP, 0 ohm, 5 %, 1/10 W	2007-000029	
J311	R-CHIP, 0 ohm, 5 %, 1/10 W	2007-000029	
J312	R-CHIP, 0 ohm, 5 %, 1/10 W	2007-000029	
P301	CBF HARNESS-OPE	JB39-40521A	OPE-MAIN
P302	CBF HARNESS-OPE	JB39-40525A	OPE-LIU
PCB	PCB-OPE	JG41-10121A	
X300	RESONATOR-CERAMIC, 7.37 MHz, 0.5 %	2802-000185	

9-3. HOOK PBA

Ref. No.	Description	SEC. Code	Remark
	ASSEMBLY, HOOK PBA	**JG92-01037A**	
SWITCH	SWITCH-HOOK, 48 V, 200mA	3409-000118	
LIU	CBF HARNESS-HOOK	JB39-40526A	
PCB	PCB-HOOK	JF41-10692A	

9-4. MIC PBA

Ref. No.	Description	SEC. Code	Remark
	ASSEMBLY, HOOK PBA	**JF92-00625A**	
MIC	MIC-CONDENSOR, 1.5 V, 0.3 mA	3003-000103	
PCB	PCB-H/S MIC	JF41-10589A	
ZD1	DIODE-ZENER, IN4736A, 6.8 A, 5 %, 1 W	0403-000142	

9-5. HOME SENSOR

Ref. No.	Description	SEC. Code	Remark
	ASSEMBLY, HOME SENSOR	**JB96-00930A**	
HARNESS	CBF HARNESS, HOME	JB39-40524A	MAIN-HOME
PCB	PCB-SUB	JB41-10050G	
SENSOR	PHOTO-INTERRUPTER	0604-000156	